## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

**Claim 1 (Previously presented):** A gateway for transmitting data packets between a wireless network and a second network, the gateway comprising:

a database comprising data associating at least one wireless terminal with at least one destination address, said data including for each of said at least one wireless terminal, at least one wireless terminal identifier, at least one source address of said at least one wireless terminal according to a protocol of said second network, and at least one destination address on said second network;

a database manager collecting information from said data packets received from said at least one wireless terminal in order to build up and maintain said database;

a header builder receiving data packets from the wireless network without a header suitable for said protocol of said second network and building said suitable header based on said data and information contained within said data packets received, and outputting data packets with said suitable header for transmission on said second network; and

a relay module receiving data packets from said second network addressing said at least one wireless terminal according to an address associated with said second network, said relay module retransmitting said data packets from said second network to said at least one wireless terminal using an address obtained from said database in a format of a protocol of said wireless network.

**Claim 2 (Previously presented):** The gateway as claimed in claim 1 wherein said database manager responds to request messages from said at least one wireless terminal, said request messages comprise information about a communication.

2

**Claim 3 (Previously presented)**: The gateway as claimed in claim 2 wherein the response to said request messages allocates an Identification Number (ID), and said header builder reads said ID to determine said information, said ID being sent to said at least one wireless terminal.

**Claim 4 (Previously presented)**: The gateway as claimed in claim 3 wherein said ID has at least a Sub Identification Number (Sub-ID), said Sub ID being used when many of said at least one destination address are being simultaneously managed with a single ID for said at least one destination address to be distinguished.

**Claim 5 (Previously presented)**: The gateway as claimed in claim 1 wherein said database manager only stores one of said destination addresses per terminal, and automatically builds data from said header information received, said packets received with said header information being forwarded without said wireless header on said second network, said header builder building said header information for said destination address for subsequent packets not having said header information.

**Claim 6 (Previously presented)**: The gateway as claimed in claim 1 wherein said protocol used at said second network is TCP/IP.

**Claim 7 (Previously presented)**: The gateway as claimed in claim 1 wherein said relay module communicates said header into said wireless terminal using said database data and strips header information from said data packets sent to said wireless terminal.

**Claim 8 (Previously presented)**: The gateway as claimed in claim 7 wherein said relay module compresses said data packets prior to transmission to said wireless terminal.

**Claim 9 (Previously presented)**: The gateway as claimed in claim 7 wherein said relay module encrypts said data packets prior to transmission to said wireless terminal.

3

Application Number 09/643,729
Amendment dated, September 13, 2004
Reply to Office action of July 6, 2004

**Claim 10 (Previously presented)**: The gateway as claimed in claim 7 wherein said relay module compresses said data and information contained within said data packets to be transmitted over said wireless network.

**Claim 11 (Previously presented)**: The gateway as claimed in claim 7 wherein said relay module encrypts said data and information contained within said data packets to be transmitted over said wireless network.

**Claim 12 (Previously presented)**: The gateway as claimed in claim 7 wherein said relay module encrypts said data and information contained within said data packets to be transmitted over said wireless network using a public/private keying scheme.

**Claim 13 (Original)**: A wireless terminal for transmitting wireless packets over a wireless network, said wireless terminal comprising:

a header manager transmitting header information for a particular destination on a second network, and said wireless packets to said wireless network without a header suitable for a protocol used on a second network;

a memory comprising data representing header information concerning at least one second network terminal;

a memory manager collecting information from said wireless packets received from said wireless network in order to build up and maintain said memory;

a relay module collecting said data packets, not having a header suitable for said protocol, from said wireless network to build a data packet with a header suitable for said protocol using said data.

**Claim 14 (Previously presented)**: The wireless terminal as claimed in claim 13 wherein said memory manager requests response messages from said wireless packets.

**Claim 15 (Previously presented)**: The wireless terminal as claimed in claim 14 wherein the response messages to said mobile wireless terminal gives an

4

Application Number 09/643,729
Amendment dated, September 13, 2004
Reply to Office action of July 6, 2004

Identification Number (ID), and said memory manager reads said ID to determine the header information.

**Claim 16 (Previously presented)**: The wireless terminal as claimed in claim 15 wherein said ID has a sub identification number (Sub-ID), when many of said destinations are being simultaneously managed.

**Claim 17 (Cancelled)**

**Claim 18 (Cancelled)**

5